



**Large Onsite Sewage System Rule Development Committee
(LOSS-RDC)**

February 17, 2004

LOSS RDC Topics, Arranged by Category	
Discussion Topic	Category
Surface and groundwater impacts: Establish better criteria for addressing impacts to surface and groundwater	Engineering Requirements / Design Standards
Allow LOSS with minimum 2 feet vertical separation under certain conditions	Engineering Requirements / Design Standards
Wastewater strength: Strengthen / clarify requirement to address wastewater strength and provide minimum treatment	Engineering Requirements / Design Standards
Post construction documentation: Strengthen requirements for Post Construction documentation (as built drawings, O&M manuals, construction reports)	Engineering Requirements / Design Standards
Clarify rule to assure all primary LOSS components are sized based on peak (not average) flows	Engineering Requirements / Design Standards
Move some engineering guidance to rule: Add selected standards from current DOH guidance documents to rule	Engineering Requirements / Design Standards
Develop minimum design criteria for high strength waste applications including RV dump stations and systems with RV hookups.	Engineering Requirements / Design Standards
Septic tank sizing: Revise septic tank sizing requirements consistent with 272A.	Engineering Requirements / Design Standards
Pump chamber sizing: Include new requirements for pump chamber sizing for LOSS	Engineering Requirements / Design Standards
Duplex pumps: Require duplex pumps	Engineering Requirements / Design Standards
Timed dosing: Require timed dosing	Engineering Requirements / Design Standards
Eliminate option for addressing waste strength without pretreatment by increasing drainfield sizing	Engineering Requirements / Design Standards
Reduce setback between LOSS drainfield sectors to 10 feet (consistent with bed requirements)	Engineering Requirements / Design Standards
Expand waiver criteria for 150% drainfield construction requirement to allow consideration of new treatment and/or distribution technologies under certain conditions	Engineering Requirements / Design Standards
Inspection: <ul style="list-style-type: none"> ➤ Strengthen requirements for engineer inspections ➤ Assign authority to engineer to order/authorize covering LOSS 	Construction
Allow design engineer under certain conditions to conduct inspections and authorize cover of drainfield components with concurrence from Department.	Construction
Multiple owners: <ul style="list-style-type: none"> ➤ Refine and clarify public entity requirements ➤ Add detail to private entity responsibilities including provisions from LOSS Management and Maintenance Guidelines ➤ Allow additional management options where public entity is currently required –under certain 	LOSS Management



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conditions"	
Single Owner: Clarify owner responsibilities and add detail from DOH "sample management agreement"	LOSS Management
Operating permits: Strengthen requirements for operating permits and annual reports	LOSS Management
LOSS operator competency: Require operator training, certification or service contract with qualified provider	Practitioner Qualifications & Roles
Qualified Installers: Strengthen requirements to assure only qualified installers construct LOSS	Practitioner Qualifications & Roles
Allow state agency employees to install, operate and maintain LOSS serving state facilities without requiring local approvals under certain conditions (subject to DOH or Ecology authorized training and/or certification program).	Practitioner Qualifications & Roles
Develop a table/matrix to show roles/responsibilities of regulators and industry practitioners in various aspects of LOSS design, permitting, construction, management, and licensing/certification.	Practitioner Qualifications & Roles
Allow only state or locally licensed professionals to site, design, construct, manage, inspect or permit LOSS.	Practitioner Qualifications & Roles
Requirement to connect to sewer: Assign authority to Department to require owner to connect to public sewer upon failure and when sewer is within 200 feet	Enforcement
Extreme non-compliance: Strengthen enforcement options for cases of extreme non-compliance	Enforcement
Jurisdictional splits: Eliminate the current three-way split (Ecology / DOH / Local Health) to a two-way split (DOH / Local Health), specific to sub-surface disposal systems	Ecology / DOH Coordination
Mechanical Treatment over 3500 GPD: Allow DOH approval of mechanical treatment for LOSS under certain conditions	Ecology / DOH Coordination
Flow splitting: Refine / clarify the definition of a LOSS to prevent the practice of flow splitting of large projects to avoid Ecology or Health regulatory requirements	Ecology / DOH Coordination
Reuse: Encourage or require proponents to consider "reuse" options in LOSS project design / submittals	Ecology / DOH Coordination
Consolidate regulatory requirements and approval authority under one agency (Health) for all LOSS owned by state agencies (including systems above 14,500 GPD).	Ecology / DOH Coordination
Program standards: Develop LOSS program standards (approval criteria, inspections, reviewer competency, operating permits, etc.) for contract counties	LOSS "Contract Counties"
DOH oversight of contract counties: Provide for DOH oversight to assure program standards (see item 9 above) are met	LOSS "Contract Counties"
Formal contracts: Develop and sign consistent formal contracts with contract counties	LOSS "Contract Counties"
DOH technical assistance to contract counties: Provide or offer DOH technical assistance	LOSS "Contract Counties"